

DOCKET NO.: P0453.70116US01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Sanghvi et al.

Serial No.:

10/821,809

Confirmation No.:

Not Yet Assigned

Filed:

April 8, 2004

For:

COMINATION THERAPY FOR CONSTIPATION

Examiner:

Not Yet Assigned

Art Unit:

Not Yet Assigned

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the **\b** day of June, 2004.

Commissioner For Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents:

- Information Disclosure Statement [X]
- PTO Form 1449 with cited references [X]
- Return Receipt Postcard [X]

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 646-8000, Boston, Massachusetts.

A check is not enclosed. If a fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

> Respectfully submitted, Sanghvi et al., Applicant

Edward R. Gates, Reg. No.: 31,616

Wolf, Greenfield & Sacks, P.C.

600 Atlantic Avenue

Boston, Massachusetts 02210-2211

Telephone: (617)646-8000

Docket No. P0453.70116US01

Date: June 4, 2004 x07/08/04x



DOCKET NO: P0453.70116US01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Sanghvi et al.

Serial No:

10/821,809

Confirmation No:

Not Yet Assigned

Filed:

April 8, 2004

For:

COMBINATION THERAPY FOR CONSTIPATION

Examiner:

Not Yet Assigned

Art Unit:

Not Yet Assigned

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 16 day of June, 2004.

Kristin J. Ketelbut

Kristin J. Ketelbut

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

STATEMENT FILED PURSUANT TO THE DUTY OF DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed within three months of the filing date of a National Application other than a continued prosecution application under 37 C.F.R. §1.53(d).

No fee or certification is required.

Serial No.: 10/821,809

PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicant hereby makes the following additional information of record in the above-identified application.

The Applicant would like to bring to the Examiner's attention the following co-pending applications that may contain subject matter related to this application:

Serial No.	Filing Date	Inventor(s)
10/163,482	June 5, 2002	Moss et al.
10/278,630	October 23, 2002	Foss et al.
10/779,129	February 12, 2004	Foss et al.
10/821,813	April 8, 2004	Boyd et al.
10/357,669	February 4, 2003	Foss et al.
10/779,128	February 12, 2004	Foss et al.
10/778,268	February 12, 2004	Foss et al.
10/785,320	February 12, 2004	Foss et al.
10/785,668	February 24, 2004	Foss et al.
10/358,560	February 5, 2003	Foss et al.
10/821,811	April 8, 2004	Sanghvi et al.
	10/163,482 10/278,630 10/779,129 10/821,813 10/357,669 10/779,128 10/778,268 10/785,320 10/785,668 10/358,560	10/163,482 June 5, 2002 10/278,630 October 23, 2002 10/779,129 February 12, 2004 10/821,813 April 8, 2004 10/357,669 February 4, 2003 10/779,128 February 12, 2004 10/778,268 February 12, 2004 10/785,320 February 12, 2004 10/785,668 February 24, 2004 10/358,560 February 5, 2003

The following are remarks concerning the other information cited:

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;

Serial No.: 10/821,809 - 3 - Art Unit: Not Yet Assigned

2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;

3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted, Sanghvi et al., Applicant

D ...

Edward R. Gates, Reg. No. 31,616

Wolf, Greenfield & Sacks, P.C.

600 Atlantic Avenue

Boston, Massachusetts 02210-2211

Telephone: (617) 646-8000

Docket No. P0453.70116US01

Date: June 16, 2004

X07/08/04X

JUN 2 4 2004

1

Sheet

FORM PTO-1449/A and B (Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

of

6

APPLICATION NO.: 10/821,809

ATTY. DOCKET NO.: P0453.70116US01

FILING DATE:

April 8, 2004

CONFIRMATION NO.: Not Yet Assigned

APPLICANT:

Sanghvi et al.

GROUP ART UNIT: Not Yet Assigned

EXAMINER: Not Yet Assigned

U.S. PATENT DOCUMENTS

Examiner's	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication or of issue	
Initials		Number	Kind Code	Document	of Cited Document MM-DD-YYYY	
	A1	2001/0018413	A1	Crain, et al.	08-30-2001	
	A2	2002/0028825	A 1	Foss, et al.	03-07-2002	
	A3	2001/0033865	A 1	Oshlack, et al.	10-25-2001	
•	A4	2001/0036476	A 1	Oshlack, et al.	11-01-2001	
	A5	2001/0047005	A 1	Farrar, et al.	11-29-2001	
	A6	4,176,186		Goldberg, et al.	11-27-1979	
	A7	4,719,215		Goldberg	01-12-1988	
	A8	4,861,781		Goldberg	08-29-1989	
	A9	4,987,136		Kreek, et al.	01-22-1991	
	A10	5,102,887		Goldberg	04-07-1992	
	A11	5,270,328		Cantrell, et al.	12-14-1993	
	A12	5,472,943		Crain, et al.	12-05-1995	
	A13	5,512,578		Crain, et al.	04-30-1996	
	A14	5,767,125		Crain, et al.	06-16-1998	
	A15	5,811,451		Minoia, et al.	09-22-1998	
	A16	5,866,164		Kuczynski, et al.	02-02-1999	
	A17	5,958,452		Oshlack, et al.	09-28-1999	
	A18	5,972,954		Foss, et al.	10-26-1999	
	A19	6,096,756		Crain, et al.	08-01-2000	
	A20	6,194,382	B1	Crain, et al.	02-27-2001	
	A21	6,261,599	B1	Oshlack, et al.	07-17-2001	
•	A22	6,274,591	B1	Foss, et al.	08-14-2001	
	A23	6,395,705	B2	Crain, et al.	05-28-2002	
	A24	6,419,959	B1	Walter, et al.	07-16-2002	
	A25	6,451,806	B2	Farrar	09-17-2002	
	A26	6,559,158	B1	Foss, et al.	05-06-2003	
	A27	6,608,075	B1	Foss, et al.	08-19-2003	
-	A28	RE36,547		Crain, et al.	02-01-2000	
. –	A29	2002/0188005	A1	Farrar, et al.	12-12-2002	

FOREIGN PATENT DOCUMENTS

Examiner's	Cite	Foreign Patent Document		nent	Name of Patentee or Applicant of Cited	Date of Publication of	Translation
Initials	No.	Office/ Country	Number	Kind Code	Document (not necessary)	Cited Document MM-DD-YYYY	(Y/N)
	B1	AU	610,561		Shelley	08-17-1988	
	B2	CA	1,315,689		The University of Chicago	04-06-1993	
	В3	EP	0278821	A1	Shelly (Abstract)	08-17-1988	

FORM PTO-1449/A and B (Modified) APPLICATION NO.: 10/821,809 ATTY. DOCKET NO.: P0453.70116US01 INFORMATION DISCLOSURE FILING DATE: April 8, 2004 CONFIRMATION NO.: Not Yet Assigned STATEMENT BY APPLICANT Sanghvi et al. APPLICANT: GROUP ART UNIT: Not Yet Assigned EXAMINER: Not Yet Assigned 2

	B4	EP	0352361	A1	The Rockefeller University	01-31-1990	
•	B5	EP	278,821	Al	Marc Yves Shelly (Derwent Abstract)	08-17-1988	
	B6	EP	306,575	B1	The Univ. of Chicago	03-15-1989	
	B7	EP	352,361	A1	The Rockefeller University	01-31-1990	
	B8	EP	760,661	B1	Minoia, et al.	12-30-1998	
	B9	JР	2,625,457	B2	Goldberg (Derwent Abstract)	07-02-1997	
	B10	NZ	222,911		The Univ. of Chicago	12-14-1987	
	B11	wo	83/03197	Al	The Rockefeller University	09-29-1983	
	B12	wo	88/05297	A1	Shelly	07-28-1988	
	B13	wo	95/31985	A2	Minoia, et al.	11-30-1995	
	B14	wo	97/33566		Alza Corp.	09-18-1997	
	B15	wo	98/25613		Klinge Pharma GmbH	06-18-1998	Yes
	B16	wo	01/13909	A2	Critical Care Pharm.	03-01-2001	
	B17	wo	01/37785	A2	Adolor Corp.	05-31-2001	
	B18	wo	01/41705	A2	Adolor Corp.	06-14-2001	
	B19	wo	01/42207	A2	Adolor Corp.	06-14-2001	
	B20	wo	01/85257	A2	Pain Therapeutics, Inc	11-15-2001	
	B21	wo	02/060870	A2	Adolor Corp.	08-08-2002	

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's	Cite	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item	Transl		
Initials	No	(book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s),			
		publisher, city and/or country where published.	<u> </u>		
•		AKINBAMI et al., Effect of a peripheral and a central acting opioid antagonist on the testicular response to			
	C1	stress in rats. Neuroendocrinology. 1994 Apr;59(4):343-8.			
		AMIN et al., Efficacy of methylnaltrexone versus naloxone for reversal of morphine-induced depression of	1 1		
	C2	hypoxic ventilatory response. Anesth Analg. 1994 Apr;78(4):701-5.			
		AMIR, Naloxone improves, and morphine exacerbates, experimental shock induced by release of endogenous			
	C3	histamine by compound 48/80. Brain Res. 1984 Apr 9;297(1):187-90.			
	C4	AMIR et al., Endorphins in endotoxin-induced hyperglycemia in mice. Arch Toxicol Suppl. 1983;6:261-5.			
		ARGENTIERI et al., Interaction of the opiate antagonist, naltrexone methyl bromide, with the acetylcholine			
	C5	receptor system of the motor end-plate. Brain Res. 1983 Oct 31;277(2):377-9.			
		BARATTI et al., Brain opioid peptides may participate in the reversal of pentylenetetrazol-induced amnesia.			
	C6	Methods Find Exp Clin Pharmacol. 1990 Sep;12(7):451-6.			
		BEDINGFIELD et al., Methylnaltrexone attenuates taste aversion conditioned by low-dose ethanol. Alcohol.			
	C7	1998 Jan;15(1):51-4.			
		BIANCHETTI et al., Quaternary derivatives of narcotic antagonists: stereochemical requirements at the chiral			
	C8	nitrogen for in vitro and in vivo activity. Life Sci. 1983;33 Suppl 1:415-8.	1		
		BIANCHI et al., Quaternary narcotic antagonists' relative ability to prevent antinociception and gastrointestinal			
		transit inhibition in morphine-treated rats as an index of peripheral selectivity. Life Sci. 1982 May			
	C9	31;30(22):1875-83.	<u> </u>		
		BICKEL, Stimulation of colonic motility in dogs and rats by an enkephalin analogue pentapeptide. Life Sci.			
	C10	1983;33 Suppl 1:469-72.			
		BLANK et al., Central, stereoselective receptors mediate the acute effects of opiate antagonists on luteinizing			
	C11	hormone secretion. Life Sci. 1986 Oct 27;39(17):1493-99.			
		BRIX-CHRISTENSEN et al., Endogenous morphine is produced in response to cardiopulmonary bypass in			
	C12	neonatal pigs. Acta Anaesthesiol Scand. 2000 Nov;44(10):1204-8.			
		BROWN et al., Opiate antagonists: central sites of action in suppressing water intake of the rat. Brain Res. 1981			
	C13	Sep 28;221(2):432-6.	·		

Sheet

of 6

FORM PTO-1449/A and B (Modified)	APPLICATION NO.:	10/821,809	ATTY. DOCKET NO.: P0453.70116US01
INFORMATION DISCLOSURE	FILING DATE:	April 8, 2004	CONFIRMATION NO.: Not Yet Assigned
STATEMENT BY APPLICANT	APPLICANT:	Sanghvi et al.	
Sheet 3 of 6	GROUP ART UNIT:	Not Yet Assigned	EXAMINER: Not Yet Assigned

		BROWN et al., Reversal of morphine-induced catalepsy in the rat by narcotic antagonists and their quaternary		_
	C14	derivatives. Neuropharmacology. 1983 Mar;22(3):317-21.		
		BROWN et al., The use of quaternary narcotic antagonists in opiate research, Neuropharmacology, 1985		
	C15	Mar;24(3):181-91. Review.		
_		CALCAGNETTI et al., Quaternary naltrexone reveals the central mediation of conditional opioid analgesia.		
	C16	Pharmacol Biochem Behav. 1987 Jul;27(3):529-31.		
		CHANG et al., An antiabsorptive basis for precipitated withdrawal diarrhea in morphine-dependent rats. J		
	C17	Pharmacol Exp Ther. 1984 Feb;228(2):364-9.		
		CULPEPPER-MORGAN et al., Treatment of opioid-induced constipation with oral naloxone: a pilot study. Clin		
	C18	Pharmacol Ther. 1992 Jul;52(1):90-5 (ABSTRACT ONLY).		
		EISENBERG, Effects of naltrexone on plasma corticosterone in opiate-naive rats: a central action. Life Sci.		
	C19	1984 Mar 19;34(12):1185-91.		
	000	FERNANDEZ-TOME et al., Interaction between opioid agonists or naloxone and 5-HTP on feeding behavior in		
	C20	food-deprived rats. Pharmacol Biochem Behav. 1988 Feb;29(2):387-92.		
	004	FOSS, A review of the potential role of methylnaltrexone in opioid bowel dysfunction. Am J Surg. 2001		
	C21	Nov;182(5A Suppl):19S-26S. Review.		
	000	FOSS et al., 1995 Annual scientific meeting of the American Society of Anesthesiologists. Atlanta, Georgia,	i	
	C22	October 21-25, 1995. Abstracts. Anesthesiology. 1995 Sep;83(3A Suppl):A361.		
	000	FOSS et al., Prevention of apomorphine- or cisplatin-induced emesis in the dog by a combination of	ļ	
	C23	methylnaltrexone and morphine. Cancer Chemother Pharmacol. 1998;42(4):287-91.		
	C24	FOSS et al., Safety and tolerance of methylnaltrexone in healthy humans: a randomized, placebo-controlled,		
	<u> </u>	intravenous, ascending-dose, pharmacokinetic study. J Clin Pharmacol. 1997 Jan;37(1):25-30. FOSS et al., Dose-related antagonism of the emetic effect of morphine by methylnaltrexone in dogs. J Clin		
	C25	Pharmacol. 1993 Aug;33(8):747-51.		
	023	FOSS et al., Effects of methylnaltrexone on morphine-induced cough suppression in guinea pigs. Life Sci.		
	C26	1996;59(15):PL235-8.		
	020	FOSS et al., Methylnaltrexone reduces morphine-induced postoperative emesis by 30%. Anesth Analg.		
	C27	1994;78:S119.	, 1	
		FRANCE et al., Comparison of naltrexone and quaternary naltrexone after systemic and intracerebroventricular		
	C28	administration in pigeons. Neuropharmacology. 1987 Jun;26(6):541-8.	.	
		FRANCE et al., Intracerebroventricular drug administration in pigeons. Pharmacol Biochem Behav. 1985		
	C29	Nov;23(5):731-6.		
		FRIEDMAN et al., Opioid antagonists in the treatment of opioid-induced constipation and pruritus. Ann		
•	C30	Pharmacother. 2001 Jan;35(1):85-91. Review.		
		GMEREK et al., Independent central and peripheral mediation of morphine-induced inhibition of		
	C31	gastrointestinal transit in rats. J Pharmacol Exp Ther. 1986 Jan;236(1):8-13.		
		HEIN et al., Pharmacological analysis of the discriminative stimulus characteristics of ethylketazocine in the		
	C32	rhesus monkey. J Pharmacol Exp Ther. 1981 Jul;218(1):7-15.		
	C33	HOWD et al., Naloxone and intestinal motility. Experientia. 1978 Oct 15;34(10):1310-1.		
		JALOWIEC et al., Suppression of juvenile social behavior requires antagonism of central opioid systems.		
	C34	Pharmacol Biochem Behav. 1989 Jul;33(3):697-700.		
		JANKOVIC et al., Quaternary naltrexone: its immunomodulatory activity and interaction with brain delta and		
	C35	kappa opioid receptors. Immunopharmacology. 1994 Sep-Oct;28(2):105-12.		
		KAUFMAN et al., Role of opiate receptors in the regulation of colonic transit. Gastroenterology. 1988		
	C36	Jun;94(6):1351-6.		
		KIM et al., Assay for methylnaltrexone in rat brain regions and serum by high-performance liquid		
	C37	chromatography with coulometric electrochemical detection. Chromatographia. 1989 Oct;28(7-8):359-63.		
	000	KINSMAN et al., Effect of naloxone on feedback regulation of small bowel transit by fat. Gastroenterology.		
	C38	1984 Aug;87(2):335-7.		
	Can	KOBLISH et al., Behavioral profile of ADL 8-2698, a novel GI-restricted μ opioid receptor antagonist. Society		
	C39	for Neuroscience Abstracts. 2001;27(2):2407.		—
	C40	KOBYLECKI et al., N-Methylnalorphine: definition of N-allyl conformation for antagonism at the opiate	1	
		receptor. J Med Chem. 1982 Nov;25(11):1278-80.		
	C41	KOCZKA, et al., Acta Chimica Academica Scien. Hung. (1967) 51(4), 393-02		

FORM PT	O-1449/	A and B (M	1odifie	d)	APPLICATION NO	D.: 10/821,809	ATTY. DOCKET NO.: P0453.70116US01
1				LOSURE	FILING DATE:	April 8, 2004	CONFIRMATION NO.: Not Yet Assigned
STA	STATEMENT BY APPLICANT				APPLICANT:	Sanghvi et al.	
					GROUP ART UNIT	Γ: Not Yet Assigned	EXAMINER: Not Yet Assigned
Sheet	4		of	6	OKCO! ANT OW!	Tiot Tot Pasignod	272 HAMADA TAG TAG TAG TAG TAG TAG TAG TAG TAG TA

C42	rat. J Pharmacol Exp Ther. 1984 May;229(2):481-6.	
	KOTAKE et al., Variations in demethylation of N-methylnaltrexone in mice, rats, dogs, and humans.	
C43	Xenobiotica. 1989 Nov;19(11):1247-54.	
C44	KROMER et al., Endogenous opioids, the enteric nervous system and gut motility. Dig Dis. 1990;8(6):361-73. Review.	
C45	KROMER et al., The current status of opioid research on gastrointestinal motility. Life Sci. 1989;44(9):579-89.	
C46	LEANDER, A kappa opioid effect: increased urination in the rat. J Pharmacol Exp Ther. 1983 Jan;224(1):89-94.	
C47	LITTLE, et al., Society for Neuroscience Abstracts, 27 (2); 2001, p. 2407	
	LIVINGSTON et al., Postoperative ileus. Dig Dis Sci. 1990 Jan;35(1):121-32. Review.	
C50		
	MAGNAN et al., The binding spectrum of narcotic analgesic drugs with different agonist and antagonist	
C52		
C53	MANARA et al., The central and peripheral influences of opioids on gastrointestinal propulsion. Annu Rev Pharmacol Toxicol. 1985;25:249-73. Review.	
054	MICKLEY et al., Quaternary naltrexone reverses morphine-induced behaviors. Physiol Behav. 1985	
U04		
C55		
C33		
C56		
037		
C58		
030		_
C59		1
C61	antagonist in a rabbit model. Br J Anaesth. 2001 Jan;86(1):120-2.	
C62		
CG2		
C03		
C64		
C65		ļ
C66	NELSON, Dissertation Abstracts International, (62/03-B), p. 1635 (Abstract)	
	ODIO et al., Central but not peripheral opiate receptor blockade prolonged pituitary-adrenal responses to stress.	
C67		
	OSINSKI et al., Determination of methylnaltrexone in clinical samples by solid-phase extraction and high-	
C68	performance liquid chromatography for a pharmacokinetics study. J Chromatogr B Analyt Technol Biomed Life	
- 000		
C69		
1		
C70	7;1(8019):972-4.	
C71	POWELL et al., Paradoxical effects of the opioid antagonist naltrexone on morphine analgesia, tolerance, and	
C71	reward in rats. J Pharmacol Exp Ther. 2002 Feb;300(2):588-96. QUOCK, et al, J. Bioelectr. (1986), 5(1), 35-46	$-\!\!\!\!+\!\!\!\!\!-$
	C45 C46 C47 C48 C49 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60 C61 C62 C63 C64 C65 C66 C67 C68	CA4

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT Sheet 5 of 6 APPLICATION NO.: 10/821,809 ATTY. DOCKET NO.: P0453.70116US01 FILING DATE: April 8, 2004 CONFIRMATION NO.: Not Yet Assigned APPLICANT: Sanghvi et al. GROUP ART UNIT: Not Yet Assigned EXAMINER: Not Yet Assigned

		OVICOV 1 N	
	C73	QUOCK et al., Narcotic antagonist-induced hypotension in the spontaneously hypertensive rat. Life Sci. 1985 Sep 2;37(9):819-26.	
	C74	QUOCK et al., Narcotic antagonist potentiation of apomorphine drug effect: a stereospecific, centrally mediated drug action. Prog Neuropsychopharmacol Biol Psychiatry. 1985;9(3):239-43.	
	 • • • • • • • • • • • • • • • • • • •	RAMABADRAN, Effects of N-methylnaloxone and N-methylnaltrexone on nociception and precipitated	
	C75	abstinence in mice. Life Sci. 1982 Sep 20-27;31(12-13):1253-6.	
	C76	RIVIÈRE et al., Fedotozine reverses ileus induced by surgery or peritonitis: action at peripheral kappa-opioid receptors. Gastroenterology. 1993 Mar;104(3):724-31.	
	C77	ROBINSON et al., Oral naloxone in opioid-associated constipation. Lancet. 1991 Aug 31;338(8766):581-2.	
	C78	ROGER et al., Colonic motor responses in the pony: relevance of colonic stimulation by opiate antagonists. Am J Vet Res. 1985 Jan;46(1):31-5.	
., -	C79	RUSSELL et al., Antagonism of gut, but not central effects of morphine with quaternary narcotic antagonists. Eur J Pharmacol. 1982 Mar 12;78(3):255-61.	
	C80	SCHAEFER et al., Effects of opioid antagonists and their quaternary derivatives on locomotor activity and fixed ratio responding for brain self-stimulation in rats. Pharmacol Biochem Behav. 1985 Nov;23(5):797-802.	
	- 000	SCHANG et al., Beneficial effects of naloxone in a patient with intestinal pseudoobstruction. Am J	
	C81	Gastroenterol. 1985 Jun;80(6):407-11.	
	C82	SCHANG et al., How does morphine work on colonic motility? An electromyographic study in the human left and sigmoid colon. Life Sci. 1986 Feb 24;38(8):671-6.	
	C83	SCHILLER et al., Studies of the mechanism of the antidiarrheal effect of codeine. J Clin Invest. 1982 Nov;70(5):999-1008.	
	C84	SCHMIDHAMMER, et al., Helv. Chim. Acta (1994), Vol. 77, No. 6, p. 1585-9	
	C85	SCHMIDHAMMER, et al., Helv. Chim. Acta. (1993) No. 1, p. 476-80	
	C86	SCHOLZ, 2000, 63 (6) p. 103	
	C87	SCHREIER et al., Central regulation of intestinal function: morphine withdrawal diarrhea. Proc West Pharmacol Soc. 1982;25:151-4.	
	C88	SOLVASON et al., Naltrexone blocks the expression of the conditioned elevation of natural killer cell activity in BALB/c mice. Brain Behav Immun. 1989 Sep;3(3):247-62.	
	C89	SWAN, et al., AIDS Research, NIDA Notes, (1995), 10(3), 1-6	
	C90	SYKES, Oral naloxone in opioid-associated constipation. Lancet. 1991 Jun 15;337(8755):1475.	
	C91	TAGUCHI et al., Selective postoperative inhibition of gastrointestinal opioid receptors. N Engl J Med. 2001 Sep	
•	C92	27;345(13):935-40. THOMPSON et al., Opioid stimulation in the ventral tegmental area facilitates the onset of maternal behavior in	
	C93	rats. Brain Res. 1996 Dec 16;743(1-2):184-201. UKAI et al., Suppression of deprivation-induced water intake in the rat by opioid antagonists: central sites of	
		action. Psychopharmacology (Berl). 1987;91(3):279-84. VALENTINO et al., Quaternary naltrexone: evidence for the central mediation of discriminative stimulus effects	
	C94	of narcotic agonists and antagonists. J Pharmacol Exp Ther. 1981 Jun;217(3):652-9.	
		VALENTINO et al., Receptor binding, antagonist, and withdrawal precipitating properties of opiate antagonists.	
	C95 C96	Life Sci. 1983 Jun 20;32(25):2887-96. WALKER, et al., Psychopharmacology (1991), 104(2), p. 164-6	
	Cao	WARREN et al., Effects of quaternary naltrexone and chlordiazepoxide in squirrel monkeys with enhanced	
	C97	sensitivity to the behavioral effects of naltrexone. J Pharmacol Exp Ther. 1985 Nov;235(2):412-7.	
	C98	WILLETTE, et al., Res. Commun. Subst. Abuse (1983), 4(4), 325-37	
	C99	YUAN et al., Drug Dev. Res. (2000) 50(2), 133-141	
		YUAN et al., Gastric effects of methylnaltrexone on mu, kappa, and delta opioid agonists induced brainstem	
	C100	unitary responses. Neuropharmacology. 1999 Mar;38(3):425-32.	
	C101	YUAN et al., Anesthesiology, Sept. (1995), 83 (3A), p A358 (Abstract)	
	C102	YUAN et al., Anesthesiology, Sept. (1995), 83 (3A), p A360 (Abstract)	
	C103	YUAN et al., Anesthesiology, Sept. (1999), 91 (3A) p. A973 (Abstract)	
	0103	YUAN et al., Effects of enteric-coated methylnaltrexone in preventing opioid-induced delay in oral-cecal transit	
	C104	time. Clin Pharmacol Ther. 2000 Apr;67(4):398-404.	
	0405	YUAN et al., The safety and efficacy of oral methylnaltrexone in preventing morphine-induced delay in oral-	1
	C105	cecal transit time. Clin Pharmacol Ther. 1997 Apr;61(4):467-75.	

FORM PTO-1449/A and B (Modified)	APPLICATION NO.:	10/821,809	ATTY. DOCKET NO.: P0453.70116US01
INFORMATION DISCLOSURE	FILING DATE:	April 8, 2004	CONFIRMATION NO.: Not Yet Assigned
STATEMENT BY APPLICANT	APPLICANT:	Sanghvi et al.	
Sheet 6 of 6	GROUP ART UNIT:	Not Yet Assigned	EXAMINER: Not Yet Assigned

C106	YUAN et al., Methylnaltrexone prevents morphine-induced delay in oral-cecal transit time without affecting analgesia: a double-blind randomized placebo-controlled trial. Clin Pharmacol Ther. 1996 Apr;59(4):469-75.	
 C107	YUAN, et al., Clinical Pharmacology & Therapeutics (1995) 57(2), p. 138	
C108	YUAN et al., Efficacy of orally administered methylnaltrexone in decreasing subjective effects after intravenous morphine. Drug Alcohol Depend. 1998 Oct 1;52(2):161-5.	
C109	YUAN et al., Effects of methylnaltrexone on morphine-induced inhibition of contraction in isolated guinea-pig ileum and human intestine. Eur J Pharmacol. 1995 Mar 24;276(1-2):107-11.	
C110	YUAN et al., Effects of subcutaneous methylnaltrexone on morphine-induced peripherally mediated side effects: a double-blind randomized placebo-controlled trial. J Pharmacol Exp Ther. 2002 Jan;300(1):118-23.	
C111	YUAN et al., Oral methylnaltrexone for opioid-induced constipation. JAMA. 2000 Sep 20;284(11):1383-4.	
C112	YUAN et al., Methylnaltrexone for reversal of constipation due to chronic methadone use: a randomized controlled trial. JAMA. 2000 Jan 19;283(3):367-72.	
C113	YUAN et al., Effects of intravenous methylnaltrexone on opioid-induced gut motility and transit time changes in subjects receiving chronic methadone therapy: a pilot study. Pain. 1999 Dec;83(3):631-5.	
C114	YUAN et al., Effects of methylnaltrexone on chronic opioid induced gut motility and transit time changes. Br J Anaesth. 1998;81(1):94.	
	YUAN et al., Effects of methylnaltrexone on chronic opioid-induced gut motility and transit time changes.	
0445	University of Leicester – Abstracts from the Eighth International Symposium on Pain, Anaesthesia and	
 C115	Endocrinology. 1997 September 18-19th.	
C116	[No Author Listed] Oncology. 1996;10(12):1880.	

EXAMINER	DATE CONSIDERED	

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]

^{*}a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. ___, filed ___, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).